

WMUH 91.7 MEGAHERZ FM STEREO, ALLENTOWN PA. 18104
PROGRAM LOG FOR: SUN MAR 6 1988

KEY TO SYMBOLS ON PROGRAM LOG

PSA - PUBLIC SERV. ANNOUNCEMENT	L - LOCAL PROGRAM
ID - STATION IDENTIFICATION	R - RECORDED PROGRAM
E - ENTERTAINMENT PROGRAM	NET - NETWORK PROGRAM
N - NEWS PROGRAM	ET - EDITORIAL
S - SPORTS PROGRAM	ED - EDUCATIONAL
PA - PUBLIC AFFAIRS PROGRAM	ACE - AREA COLLEGE EVENTS
LCA - LOCAL COMMUN. ANNOUNCEMENT	O - OTHER

PROGRAM TITLE	PROGRAM		STARTING TIME		SCHEDULED	ACTUAL
	TYPE	SOURCE				
STATION ID	ID	R	6:00	AM	6:00 AM	Sign On Dick Clark
PROGRAM:		R	6:00	AM	6:00 AM	Live ID
WEATHER	N	L	6:15	AM	6:15 AM	Live Weather
PUBLIC SERV. ANNOUNCEMENT	PSA	L	6:15	AM	6:16 AM	Rec. psa Girl Scouts
STATION ID	ID	L	6:30	AM	6:30 AM	Rec. ID.
PUBLIC SERV. ANNOUNCEMENT	PSA	R	6:45	AM	6:45 AM	psa - Allentown Health Tips 30 sec.
PROGRAM NOTE	NET	L	6:45	AM	6:59 AM	Rec. ID.
STATION ID	ID	R	7:00	AM	6:59 AM	Sign off. Log correct as amended
PROGRAM:		R	7:00	AM		Dick Clark
WEATHER	N	L	7:15	AM		
PUBLIC SERV. ANNOUNCEMENT	PSA	L	7:15	AM		
STATION ID	ID	L	7:30	AM		
PUBLIC SERV. ANNOUNCEMENT	PSA	R	7:45	AM		
PROGRAM NOTE	NET	L	7:45	AM		
STATION ID	ID	R	8:00	AM	8:00 AM	Sign on Aldo & Huxley
PROGRAM		R	8:00	AM		
WEATHER	N	L	8:15	AM	8:14	
PUBLIC SERV. ANNOUNCEMENT	PSA	L	8:15	AM		
STATION ID	ID	L	8:30	AM	8:19	Live ID
PUBLIC SERV. ANNOUNCEMENT	PSA	R	8:45	AM	8:42 AM	Rec. ID.
PROGRAM NOTE	NET	L	8:45	AM		
STATION ID	ID	R	9:00	AM		
PROGRAM:		R	9:00	AM	9 am	SIGN ON Falls Brook

PROGRAM LOG SAMPLE

On the Program Log Sample on the facing page, Dick Clark filled out his log correctly for his 6:00-6:59 a.m. shift. The programmer who took over at 6:59 is no longer working for the station because he or she failed to fill out the log at all. At 8:00 a.m., Aldous Huxley signed on correctly but:

1. Failed to log what was done at 8:15 a.m.
2. Incorrectly logged a station identification which also was not within the required five minutes before or five minutes after the half-hour.
3. Incorrectly scribbled out the 8:42 a.m. element and did not include his initials.
4. Failed to sign the log and note his sign-off time.

W.M.U.H. - ALLENTOWN, PA --- 91.7 FM Stereo --- TRANSMITTER LOG --- DATE: 3.6.88

Time	Coll.Volt.	Coll.Curr.	R.F.Output	Signature
12 AM	50	7.75	98%	John Landis
2 AM	49	7.5	97%	John Landis
4 AM	50	7.75	100%	John Landis
6 AM	50	7.75	99%	Dick Clark
8 AM				
10 AM				
12 Noon				
2 PM				
4 PM				
6 PM				
8 PM				
10 PM				

[illegible]

LOGS CHECKED:

TRANSMITTER LOGS

The Transmitter Log is required by the FCC to document various meter readings related to the station's transmitting signal. The operator on duty is considered to be the operator of the station's transmitter during the assigned shift, which is why an FCC license or permit is required for our programmers. The information that must be given on the Transmitter Log:

1. The sign on and sign off times, accompanied by the operator's signature.
 - a. Write the sign on time at the beginning of your shift, include your signature, and fill in the sign off time at the end of your shift.
2. Every two hours, the operator on duty must take transmitter readings, the times for which are listed on the log. Three readings are required:
 - a. Collector Current
 - b. Collector Voltage
 - c. RF Output

Again, if you make an incorrect entry, draw a straight line through the notation, write your initials and the date next to the deletion, and then enter the correct information.

EMERGENCY BROADCAST SYSTEM LOG

The sheet for logging EBS signals received by the station can be found on the clipboard on the side of the remote equipment rack. Once you determine that the signal being received is a test, follow the procedures outlined under EBS Tests in the Emergency Broadcast System section of this manual. In regards to documenting the receipt of these signals:

1. Log the date and time of the transmission.
2. Be sure to include your signature next to this information.

In the case of actual emergencies (enemy attacks, tornadoes, chemical spills, nuclear accidents, etc.), stand-by for a code word that can be confirmed by checking cover of the red envelope attached to the EBS clipboard. For the required procedures to follow, see Actual Emergencies under the EBS section of this manual.

W.M.U.H. - ALLENTOWN
91.7 FM STEREO

MUSIC LOG

NAME Monica Szybel
DATE 10/17/87
TIME 12-2pm

New Release Number Code	ARTIST	SONG - SONG - SONG	Album Title	Request	Record Company
	Geoffrey Downes Jean Michael Jarre Kitaro Bob Kindler Tangerine Dream Jerry Goodman SKY Carlos Alomar Silver Pavilion Steve Roach Suzanne Lani Serge Blumenthal	Symphonic Electronique Fourth Rendez Vous Aura Happiness The Cliffs of Sydney Tears of Joy The Great Balloon Race Hallucinations Silver Pavilion Impetus In 4 movements Lay Down Beside Me Euroville, Palabres Rd, Communication, Dimension	The Light Prog Tenku Tenku Waters of Life Le Parc Ariel The Great Bal. Race Dream Generator Azuma Impetus The Velocity of Love La Dimension / Cockpit	√(M)	Geffen Polygram Geffen Global Pacific Relativity Private CBS Private Private Fortuna RCA Life Style
	Pete Bardin	Seen One Earth	Seen One Earth		Capital

MUSIC PLAYLISTS

A log of the recorded music played during programs is required to assure that the station continues to receive free promotional releases from record companies. These logs are used to demonstrate to the record companies that we are playing their products. The information required on Music Playlists:

1. Show Title, Time, and Your Name. Include the title of your program, the time the show aired and your own name in the spaces provided. If you need more than one list to do a show, please include this information on each of the sheets and number them in sequential order.
2. New Release Number and Requests. The arbitrary number assigned to new releases is used to make it easier for compiling lists of frequently played material for submission to record companies and trade publications. If a selection you play was requested by a caller, write the letters "RQ" in this space.
3. Artist Name, Song Title, and Album Title. Write the information for each item in the appropriate column. If the selection played is a 12-inch, an untitled EP or a 45 rpm, note this in the column for Album Titles.
4. Record Company. This item is as important as the other information, since staff members may have no idea what label the selection appears on.

Please fill out Playlists completely and legibly. Besides assuring that we have the latest releases for our programs, the lists are essential for announcing the selections you have played. They are also helpful to other programmers who often refer them to get ideas for their shows and to avoid repeating recently played material. Also, be sure to place the lists in the bin next to the FM console at the end of your show.

LVCBA PROGRAMMER POLICIES

REQUIREMENTS

- I. MEMBERSHIP
Programmers must be members of the LVCBA and must renew their membership within two months after the annual expiration date in order to remain eligible for airtime.
- II. TRAINING
Programmers must complete group and individual training and must be approved for airtime by the Director of Broadcast Training.
- III. SUPPORT FUNCTIONS
Programmers must participate in the activities that keep the LVCBA functioning. Programmers who are not volunteering for activities will be required to perform "support functions" as needed.

DISCIPLINARY POLICIES

- I. ENFORCEMENT
 - A. The Program Committee is empowered to enforce all disciplinary policies at its discretion.
 - B. Programmers may appeal the Committee's decisions to the Board of Directors.
 1. Appeals must be presented to a member of the Board's Executive Committee (President, Vice President, Treasurer or Secretary).
 2. The Executive Committee will investigate appeals and present its findings to the Board, whose decision will be considered final.
- II. PENALTIES
 - A. MINOR INFRACTIONS
 1. A minor infraction will result in a warning.
 2. A subsequent citation for the same offense within a 12-month period or two additional minor infractions will be treated as a major infraction.
 - B. MAJOR INFRACTIONS
 1. A major infraction will result in a 30-day suspension of broadcast privileges.
 2. A second major infraction within a 12-month period will result in a one-year suspension, while additional major infractions could result in expulsion.
 3. In addition to suspension, the Programming Committee may set an additional "support function" as a condition of reinstatement.
 - C. EXPULSIONARY INFRACTIONS
 1. Expulsion from the LVCBA involves the loss of all membership privileges.
 2. The Program Director must report all expulsions to the Board's Executive Committee.

III. INFRACTIONS

A. MINOR INFRACTIONS

1. On-air Behavior
 - a. Programmers are expected to perform professionally at all times.
 - 1) Examples of unprofessional behavior include clowning around on the air, making derogatory comments during public service announcements, or showing disrespect for the audience, college, radio station or LVCBA.
2. Studio Guests
 - a. Generally, the LVCBA discourages having guests in the studio who are not essential to a program's content. Nonetheless, the Programmer on duty is permitted to have one or two guests during a program.
 - 1) Exceptions to this limit, including performances by guest musicians, must be cleared by the Program Director.
 - b. Programmers will be held fully responsible for the behavior of their guests.
 - c. Under no circumstances are guests to operate college or LVCBA equipment in either the broadcast or production studios.
3. Studio Conditions
 - a. The Programmer on duty is responsible for the condition of the studio and the safekeeping of station property.
 - 1) The Programmer on duty has the right to order anyone (members, guests, etc.) to leave the station if their presence is disrupting the program in progress or poses a danger to station or LVCBA property.
 - b. The Programmer on duty is responsible for reporting the following to his or her Program Coordinator immediately:
 - 1) Equipment problems that threaten the station's ability to stay on the air.
 - 2) Damage or theft of station and LVCBA property.
 - c. Albums must be returned to the proper place.
 - 1) The Programmer going off duty is responsible for filing any albums left out of the racks, even if they are from a previous show.
4. Logs and Playlists
 - a. The following must be maintained accurately and completely:
 - 1) Program Logs
 - 2) Transmitter Logs
 - 3) Emergency Broadcast System Logs
 - 4) Record Playlists
5. Production Studio
 - a. The production studio is reserved solely for purposes related to LVCBA programming and not for personal use.
 - b. On-air programming takes precedence over production, that is, the programmer on duty has priority in regards to use of the production studio.
 - c. Members working in the production studio are required to sign on and off using the log provided.
 - 1) The member signed on is responsible for observing all rules that apply to the broadcast studio.

B. MAJOR INFRACTIONS

1. Failure to follow FCC policies. These cover a broad spectrum, but of most relevance to Programmers are the following prohibited on-air activities:
 - a. Using obscene or profane language.
 - b. Commercializing, that is, promoting profit-making activities other than cultural events and underwriting announcements.
 - c. Issuing false reports of emergencies.
 - d. Making slanderous remarks.
 - e. Promoting lotteries, raffles, etc.
2. Failure to observe the following LVCBA policies:
 - a. Programmers must be present for their shows as scheduled.
 - 1) Programmers unable to do a show are responsible for finding an eligible substitute.
 - a) Unauthorized personnel are not permitted to serve as substitutes.
 - b. Programmers must follow the program format for their slot.
 - c. Programmers must read underwriting announcements exactly as written and at the times scheduled.
 - d. Programmers are not permitted to initiate giveaways without approval of the Underwriting Director.
3. Failure to observe Muhlenberg College policies that apply to students and campus guests.

C. EXPULSIONARY INFRACTIONS

1. Stealing or vandalizing college or LVCBA albums, equipment and other property.
 - a. Under no circumstances are the station's albums or equipment to be removed from the studio.
 - b. LVCBA albums and tapes may be borrowed only with permission of the association's Librarian.
2. Allowing alcoholic beverages, controlled substances or firearms in the WMUH studio.
3. Violation of any other local, state and federal laws on college property.

Name and Residence Address(es)	Office Held	Director or Member of Governing Board		% of: Ownership (O) or Voting Stock (VS) or Membership (M)
		Yes	No	
Geoffrey H. Chambers 43 N. 9th St. Allentown, PA 18101	President	X		Non-Stock Corporation
Joseph P. Lucia 433 W. Market St. Bethlehem, PA 18018	Vice President	X		"
Jeanne Marie Tranguch 742 Chestnut St. Emmaus, PA 18049	Treasurer	X		"
Donna Mugavero Gipson 309 N. 10th St. Allentown, PA 18102	Secretary	X		"
Thomas P. Casetta 1315 Brassie St. Wescosville, PA 18106	At-Large Director	X		"
Brenda Casner 1428 Chew St., 3rd Fl. Allentown, PA 18102	Underwriting Director	X		"
Robert Falkenstein 40 N. 12th St. Allentown, PA 18101	Publications Director	X		"
Eric D. Feinstein 1428 Chew St., 3rd Fl. Allentown, PA 18102	Programming Director	X		"
John M. Furphy 129 S. 16th St. Allentown, PA 18102	Fundraising Director	X		"

EXHIBIT L3.0
(continued)

Name and Residence Address(es)	Office Held	Director or Member of Governing Board		% of: Ownership (O) or Voting Stock (VS) or Membership (M)
		Yes	No	
Cheryl A. Haughney 1231 Walnut St. Allentown, PA 18102	Public Relations Director	X		Non-Stock Corporation
R. Truman Ingalsbe 2104 N. Lehigh Ave. Whitehall, PA 18052	Library Director	X		"
Charles James 1933 Eastman Ave. Bethlehem, PA 18018	Finance Director	X		"
Scott Legath 1341 Emmett St. Allentown, PA 18102	Engineering Director	X		"
Connie Miksits 234 N. St. Cloud St. Allentown, PA 18104	Membership Director	X		"
Robert A. Reagan 105 E. Market St. Bethlehem, PA 18018	Training Director	X		"
Seth Rubenstein R.D. 3, Fire Lane Bethlehem, PA 18105	Grants Director	X		"
Joe A. Swanson R.D. 1, Box 374-A Germansville, PA 18053	At-Large Director	X		"
Paul Wagner 1245 Walnut St. Allentown, PA 18102	At-Large Director	X		"

Exhibit P1.0 Description of planned program service relating to issues of public concern

The Applicant's purpose for establishing the proposed station is described, in part, in Exhibit L1.0. The Applicant proposes to broadcast news and public affairs programs that deal with issues such as poverty, healthcare, the homeless, education, and the environment. The applicant also proposes to broadcast programs that address a need for culture and promote an interest in the arts and drama.

The purpose is supported by the fact that the Lehigh Valley lacks a full-time noncommercial radio station which is targetted to the needs of the community. With the exception of the applicant's part time activity at one of the three local college radio stations, the community receives only minimal service. The college stations seem to lack the experience and maturity to serve the community to the extent the Applicant has shown.

The terrain in and around the Lehigh Valley restricts the reception of public radio signals from adjacent radio markets. Reception is also spotty from public radio stations outside the area that broadcast on local translators.

The objective is to provide a full-time community-oriented radio service of sufficient signal strength to better serve the Lehigh Valley, one of the largest markets in the country without a full time public radio station. The Applicant wishes to fulfill this need for news, public affairs, and cultural programming.

Please refer to Exhibits L2.1, LVCBA 1989 program guide, and Exhibit 2.3, 1988 programming highlights, for examples of our direction in programming. The Applicant's future direction in programming is proposed to be similar in serving to meet the needs of the community. The Applicant proposes to ascertain the needs of the community via contact with local residents and civic leaders. Community volunteers will continue to be encouraged to provide programs of community importance. The Applicant's program policies are outlined in the Rules and Regulations section of our Training Manual, Exhibit 2.4.

LEHIGH VALLEY COMMUNITY BROADCASTERS ASSOCIATION,
BOARD OF DIRECTORS
NEW, ALLENTOWN, PA (FM)
ALLENTOWN, PENNSYLVANIA

APPLICATION FOR A NEW
NON-COMMERCIAL EDUCATIONAL FM BROADCAST STATION
AT ALLENTOWN, PENNSYLVANIA

FCC 340 V-B

EXHIBIT EE-1

CHARLES W. LOUGHERY
741 CYBUS WAY
SOUTHAMPTON, PA 18966

Section V-B - FM BROADCAST ENGINEERING DATA

FOR COMMISSION USE ONLY

File No. _____

ASB Referral Date _____

Referred by _____

Name of Applicant **LEHIGH VALLEY COMMUNITY BROADCASTERS ASSOCIATION,
BOARD OF DIRECTORS**

Call letters *(if issued)*
to be assigned

Is this application being filed in response to a window? ☐ Yes ☒ No

If Yes, specify closing date: _____

Purpose of Application: *(check appropriate box(es))*

☒ Construct a new (main) facility

☐ Construct a new auxiliary facility

☐ Modify existing construction permit for main facility

☐ Modify existing construction permit for auxiliary facility

☐ Modify licensed main facility

☐ Modify licensed auxiliary facility

If purpose is to modify, indicate below the nature of change(s) and specify the file number(s) of the authorizations affected.

☐ Antenna supporting-structure height

☐ Effective radiated power

☐ Antenna height above average terrain

☐ Frequency

☐ Antenna location

☐ Class

☐ Main Studio location

☐ Other *(Summarize briefly)*

File Number(s) _____

1. Allocation:

Channel No.	Principal community to be served:		
207	City Allentown	County Lehigh	State PA

Class *(check only one box below)*

☒ A ☐ B1 ☐ B ☐ C3

☐ C2 ☐ C1 ☐ C ☐ D

2. Exact location of antenna.

(a) Specify address, city, county and state. If no address, specify distance and bearing relative to the nearest town or landmark.

**South side of East Rock Rd. , .6 miles east of 4th Street.
Salisbury Township, Lehigh County, PA**

(b) Geographical coordinates (to nearest second). If mounted on element of an AM array, specify coordinates of center of array. Otherwise, specify tower location. Specify South Latitude or East Longitude where applicable; otherwise, North Latitude or West Longitude will be presumed.

Latitude	40°	33'	54"	Longitude	75°	26'	26"
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3. Is the supporting structure the same as that of another station(s) or proposed in another pending application(s)? ☒ Yes ☐ No

If Yes, give call letter(s) or file number(s) or both.

WFMZ-TV WFMZ-FM both Allentown

If proposal involves a change in height of an existing structure, specify existing height above ground level including antenna, all other appurtenances, and lighting, if any.

N/A

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 2)

4. Does the application propose to correct previous site coordinates?

☐ Yes ☒ No

If Yes, list old coordinates.

Latitude	0	'	"	Longitude	0	'	"
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5. Has the FAA been notified of the proposed construction?

☐ Yes ☒ No

If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available.

Exhibit No.
EE-1

Date _____ Office where filed _____

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to nearest point of the nearest runway.

Landing Area	Distance (km)	Bearing (degrees True)
(a) <u>Allentown Queen City</u>	<u>3.65</u>	<u>275°</u>
(b) _____	_____	_____

7. (a) Elevation: *(to the nearest meter)*(1) of site above mean sea level; 284 meters(2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and 140 meters(3) of the top of supporting structure above mean sea level $[(aX1) + (aX2)]$ 424 meters(b) Height of radiation center: *(to the nearest meter)* H = Horizontal; V = Vertical(1) above ground - meters (H)113 meters (V)(2) above mean sea level $[(aX1) + (bX1)]$ - meters (H)397 meters (V)(3) above average terrain - meters (H)245 meters (V)

8. Attach as an Exhibit sketch(es) of the supporting structure, labelling all elevations required in Question 7 above, except item 7(bX3). If mounted on an AM directional-array element, specify heights and orientations of all array towers, as well as location of FM radiator.

Exhibit No.
EE-1

9. Effective Radiated Power:

(a) ERP in the horizontal plane - kw (H*) 0.12 kw (V*)

(b) Is beam tilt proposed?

☐ Yes ☒ No

If Yes, specify maximum ERP in the plane of the tilted beam, and attach as an Exhibit a vertical elevational plot of radiated field.

Exhibit No.
N/A

_____ kw (H*) _____ kw (V*)

*Polarization

10. Is a directional antenna proposed?

☒ Yes ☐ No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s) and tabulations of horizontally and vertically polarized radiated components in terms of relative field.

Exhibit No.

EE-1

11. Will the main studio be located within the 70 dBu or 3.16 mV/m contour?

☐ Yes ☒ No

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125.

Studio will be inside the 60 Dbu contour and inside the City limits of Allentown, Pa..

Exhibit No.

12. Are there: (a) within 60 meters of the proposed antenna, any proposed or authorized FM or TV transmitters, or any nonbroadcast *(except citizens band or amateur)* radio stations; or (b) within the blanketing contour, any established commercial or government receiving stations, cable head-end facilities, or populated areas; or (c) within ten (10) kilometers of the proposed antenna, any proposed or authorized FM or TV transmitters which may produce receiver-induced intermodulation interference?

☒ Yes ☐ No

If Yes, attach as an Exhibit a description of any expected, undesired effects of operations and remedial steps to be pursued if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by receiver-induced or other types of modulation) to facilities in existence or authorized or to radio receivers in use prior to grant of this application. *(See 47 C.F.R. Sections 73.315(b), 73.316(d) and 73.318.)*

Exhibit No.

EE-1

13. Attach as an Exhibit a 7.5 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction D for Section V. Further, the map must clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

Exhibit No.

EE-1

14. Attach as an Exhibit *(name the source)* a map which shows clearly, legibly, and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.

EE-1

(a) the proposed transmitter location, and the radials along with profile graphs have been prepared;

(b) the 1 mV/m predicted contour and, for noncommercial educational applicants applying on a commercial channel, the 3.16 mV/m contour; and

(c) the legal boundaries of the principal community to be served.

15. Specify area in square kilometers (1 sq. mi. = 2.59 sq. km.) and population (latest census) within the predicted 1 mV/m contour.

Area 379 sq. km.

Population 296,437

16. Attach as an Exhibit a map *(Sectional Aeronautical charts where obtainable)* showing the present and proposed 1 mV/m (60 dbu) contours.

N/A new station

Exhibit No.

N/A

Enter the following from Exhibit above:

Gain Area _____ sq. mi.

Loss Area _____ sq. mi.

Percent change (gain area plus loss area as percentage of present area) _____ %.

If 50% or more this constitutes a major change. Indicate in question 2(c), Section I, accordingly.

10. Is a directional antenna proposed?

☒ Yes ☐ No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s) and tabulations of horizontally and vertically polarized radiated components in terms of relative field.

Exhibit No.

EE-1

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Studio will be inside the 60 Dbu contour and inside the City limits of Allentown, Pa..

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☒ Yes ☐ No

If Yes, attach as an Exhibit a description of any expected, undesired effects of operations and remedial steps to be pursued if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by receiver-induced or other types of modulation) to facilities in existence or authorized or to radio receivers in use prior to grant of this application. *(See 47 C.F.R. Sections 73.315(b), 73.316(d) and 73.318.)*

Exhibit No.

EE-1

13. Attach as an Exhibit a 7.5 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction D for Section V. Further, the map must clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

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Area 379 sq. km.

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N/A new station

Exhibit No.

N/A

Enter the following from Exhibit above:

Gain Area _____ sq. mi.

Loss Area _____ sq. mi.

Percent change (gain area plus loss area as percentage of present area) _____ %.

If 50% or more this constitutes a major change. Indicate in question 2(c), Section I, accordingly.

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 6)

- (e) If authorization pursuant to 47 C.F.R. Section 73.215 is requested, attach as an Exhibit a complete engineering study to establish the lack of prohibited overlap of contours involving affected stations. The engineering study must include the following:

Exhibit No.
N/A

- (1) Protected and interfering contours, in all directions (360°), for the proposed operation.
- (2) Protected and interfering contours, over pertinent arcs, of all short-spaced assignments, applications and allotments, including a plot showing each transmitter location, with identifying call letters or file numbers, and indication of whether facility is operating or proposed. For vacant allotments, use the reference coordinates as transmitter location.
- (3) When necessary to show more detail, an additional allocation study utilizing a map with a larger scale to clearly show prohibited overlap will not occur.
- (4) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (5) The official title(s) of the map(s) used in the exhibits(s).

24. Is the proposed station for a channel in the range from Channel 201 to 220 (88.1 through 91.9 MHz) and the proposed antenna location within the distance to an affected TV Channel 6 station(s) as defined in 47 C.F.R. Section 73.525?

☒ Yes ☐ No

If Yes, attach as an Exhibit either a TV Channel 6 agreement letter dated and signed by both parties or a map and an engineering statement with calculations demonstrating compliance with 47 C.F.R. Section 73.525 for each affected TV Channel 6 station.

Exhibit No.
EE-1

25. Is the proposed station for a channel in the range from Channel 221 to 300 (92.1-107.9 MHz)?

☐ Yes ☒ No

If Yes, attach as an Exhibit information required in 1/. (Except for Class D (secondary) proposals.)

Exhibit No.
N/A

26. Environmental Statement (See 47 C.F.R. Section 1.1301 et seq.)

Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact?

☐ Yes ☒ No

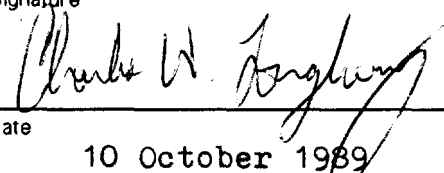
If you answer Yes, submit as an Exhibit an Environmental Assessment required by Section 1.1311.

Exhibit No.
N/A

If No, explain briefly why not. See Exhibit EE-1

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and found it to be accurate and true to the best of my knowledge and belief.

Name (Typed or Printed) Charles W. Loughery	Relationship to Applicant (e.g., Consulting Engineer) Technical Consultant
Signature 	Address (Include ZIP Code) 741 Cybus Way Southampton, Pa. 18966
Date 10 October 1989	Telephone No. (Include Area Code) (609) 530-5134 or (215) 357-5105

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 5)

20. Is the proposed antenna location within 320 kilometers of the common border between the United States and Canada?

☐ Yes ☒ No

If Yes, attach as an Exhibit a showing of compliance with all provisions of the Working Agreement for Allocation of FM Broadcasting Stations on Channels 201-300 under The Canada-United States FM Agreement of 1947.

Exhibit No.

N/A

21. If the proposed operation is for a channel in the range from channel 201 through 220 (88.1 through 91.9 MHz), or if this proposed operation is for a class D station in the range from Channel 221 through 300 (92.1 through 107.9 MHz), attach as an Exhibit a complete allocation study to establish the lack of prohibited overlap of contours with other U.S. stations. The allocation study should include the following:

Exhibit No.

EE-1

- (a) The normally protected interference-free and the interfering contours for the proposed operation along all azimuths.
- (b) Complete normally protected interference-free contours of all other proposals and existing stations to which objectionable interference would be caused.
- (c) Interfering contours over pertinent arcs of all other proposals and existing stations from which objectionable interference would be received.
- (d) Normally protected and interfering contours over pertinent arcs, of all other proposals and existing stations, which require study to show the absence of objectionable interference.
- (e) Plot of the transmitter location of each station or proposal requiring investigation, with identifying call letters, file numbers and operating or proposed facilities.
- (f) When necessary to show more detail, an additional allocation study will be attached utilizing a map with a larger scale to clearly show interference or absence thereof.
- (g) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire Exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (h) The name of the map(s) used in the Exhibit(s).

22. With regard to any stations separated by 53 or 54 channels (10.6 or 10.8 MHz) attach as an Exhibit information required in 1/ *(separation requirements involving intermediate frequency (i.f.) interference)*.

Exhibit No.

EE-1

23.(a) Is the proposed operation on Channel 218, 219, or 220?

☐ Yes ☒ No

(b) If the answer to (a) is yes, does the proposed operation satisfy the requirements of 47 C.F.R. Section 73.207?

☐ Yes ☐ No

(c) If the answer to (b) is yes, attach as an Exhibit information required in 1/ regarding separation requirements with respect to stations on Channels 221, 222 and 223.

Exhibit No.

N/A

(d) If the answer to (b) is no, attach as an Exhibit a statement describing the short spacing(s) and how it or they arose.

Exhibit No.

N/A

1/ A showing that the proposed operation meets the minimum distance separation requirements. Include existing stations, proposed stations, and cities which appear in the Table of Allotments; the location and geographic coordinates of each antenna, proposed antenna or reference point, as appropriate; and distance to each from proposed antenna location.

LEHIGH VALLEY COMMUNITY BROADCASTERS ASSOCIATION,
BOARD OF DIRECTORS
NEW, ALLENTOWN, PA(FM)
ALLENTOWN, PENNSYLVANIA

APPLICATION FOR NEW
NON-COMMERCIAL EDUCATIONAL FM BROADCAST STATION
ALLENTOWN, PENNSYLVANIA

EXHIBIT EE-1

CHARLES W. LOUGHERY
741 CYBUS WAY
SOUTHAMPTON, PA 18966

LEHIGH VALLEY COMMUNITY BROADCASTERS ASSOCIATION,
BOARD OF DIRECTORS
NEW, ALLENTOWN, PA (FM)
ALLENTOWN, PENNSYLVANIA

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LEHIGH VALLEY COMMUNITY BROADCASTERS ASSOCIATION,

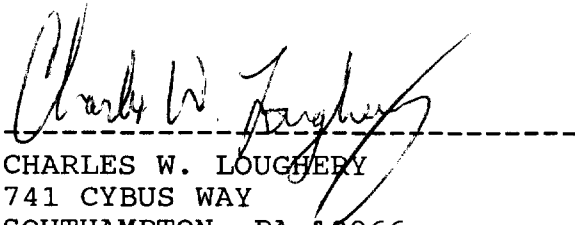
BOARD OF DIRECTORS

NEW, ALLENTOWN, PA(FM)

DECLARATION

I declare, under penalty of perjury, that I have prepared the attached Exhibit for Lehigh Valley Community Broadcasters Association, Board Of Directors, applicant for a new Non-commercial Educational FM station at Allentown, Pa., and that all the facts therein, except for facts of which the Federal Communications Commission may take official notice, are true to the best of my knowledge and belief.

Executed on: 10 October 1989



CHARLES W. LOUGHERY
741 CYBUS WAY
SOUTHAMPTON, PA 18966
609-530-5134
215-357-5105

LEHIGH VALLEY COMMUNITY BROADCASTERS ASSOCIATION,

BOARD OF DIRECTORS

NEW, ALLENTOWN, PA(FM)

ALLENTOWN, PENNSYLVANIA

ENGINEERING NARRATIVE

1. INTRODUCTION

This exhibit supports the attached application of Lehigh Valley Community Broadcasters Association, Board of Directors, for a new non-commercial FM broadcast station, on Channel 207, 89.3 MHz at Allentown, Pennsylvania. The proposed site is the same site as the WFMZ-TV and FM facilities.

2. FACILITIES REQUESTED

This application proposes operation on Channel 207A with an ERP of 0.120 kilowatts Vertical (max DA) with an antenna 245 meters above average terrain. Figure 1 shows the supporting tower structure. Figure 2 and Table 1 show the pertinent Directional Antenna pattern expressed in power and relative field. Figure 3 is a portion of the Allentown East USGS 7.5 minute map showing the proposed transmitter site (a whole original map is included in the original of the three copies filed herewith). Figure 4 is a portion of the Newark NJ USGS 1:250,000 map showing the proposed 60 dBu coverage area.

3. ALLOCATION STUDY

Table 1 lists the stations studied as part of this